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(54) Title: HEAT TRANSFER FLUIDS FOR APPLICATION OVER A BROAD RANGE OF TEMPERATURES

(57) Abstract: Heat transfer fluids which can be used over a broad range of temperatures such as from 175 °C to -145 °C are disclosed. The heat transfer fluids consist essentially of a mixture of at least two structurally non-identical cycloalkane-alkyl or -polyalkyl compounds, or a mixture of at least two structurally non-identical aliphatic hydrocarbons, or a mixture of a cycloalkane-alkyl or -polyalkyl compound and an aliphatic hydrocarbon. The individual components are present at levels such as to confer to the fluid composition a cloud point below -100 °C, a vapor pressure at +175 °C below 1300 kPa, and a viscosity, measured at the cloud point temperature +10 °C, below 400 cP.

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